

FIG. 1A

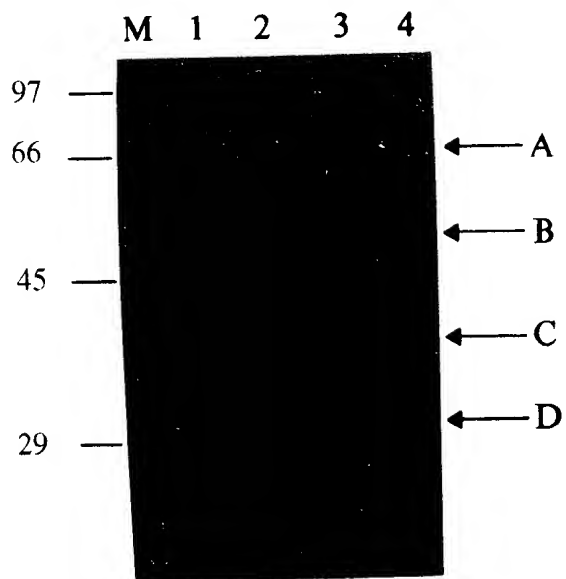


FIG. 1B

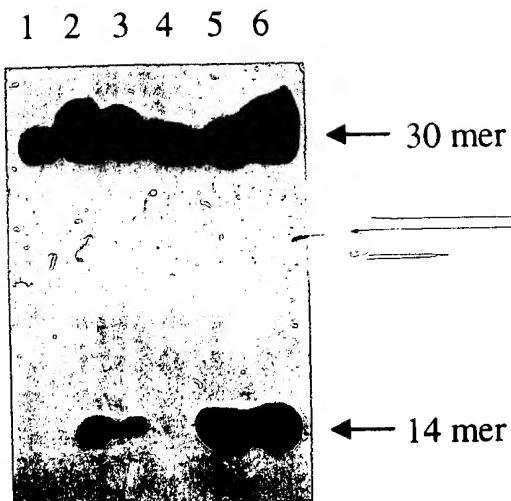


FIG. 1C

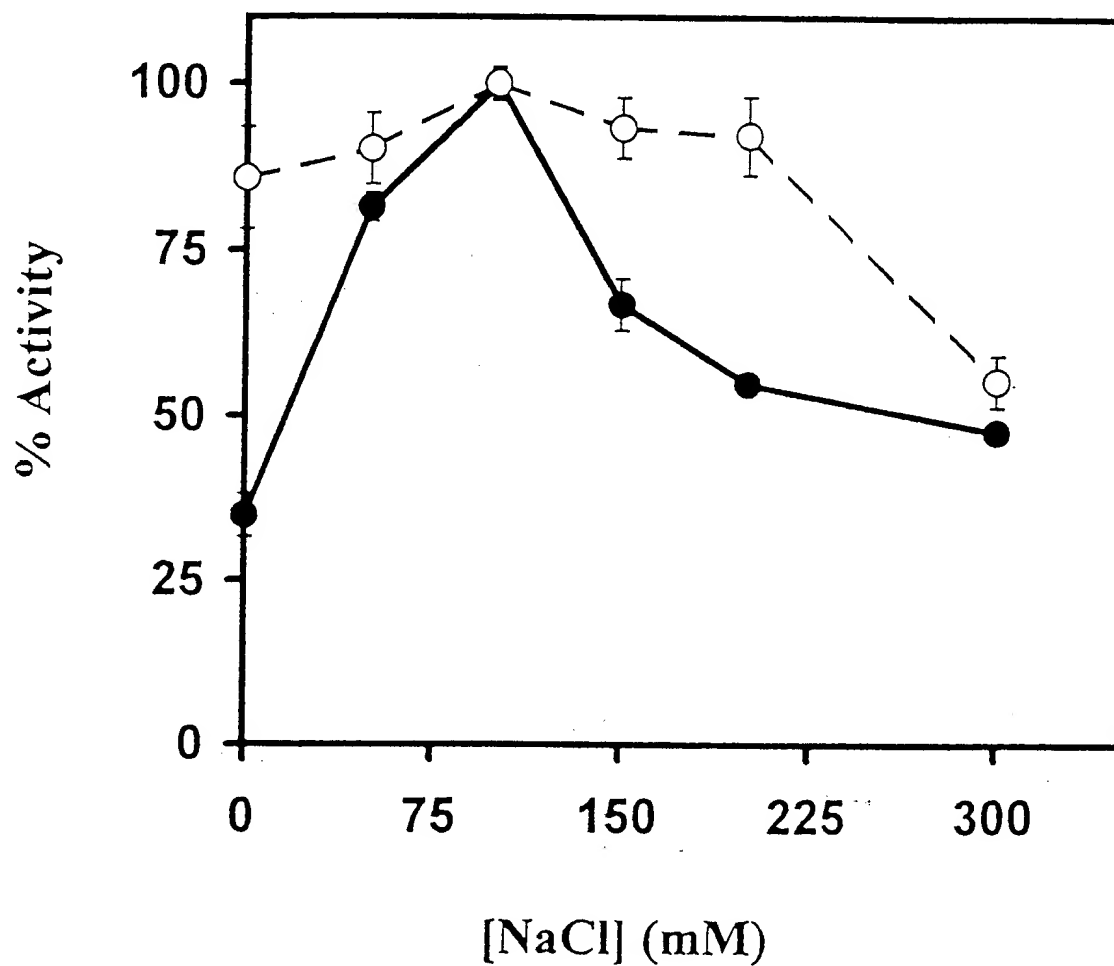


FIG. 2

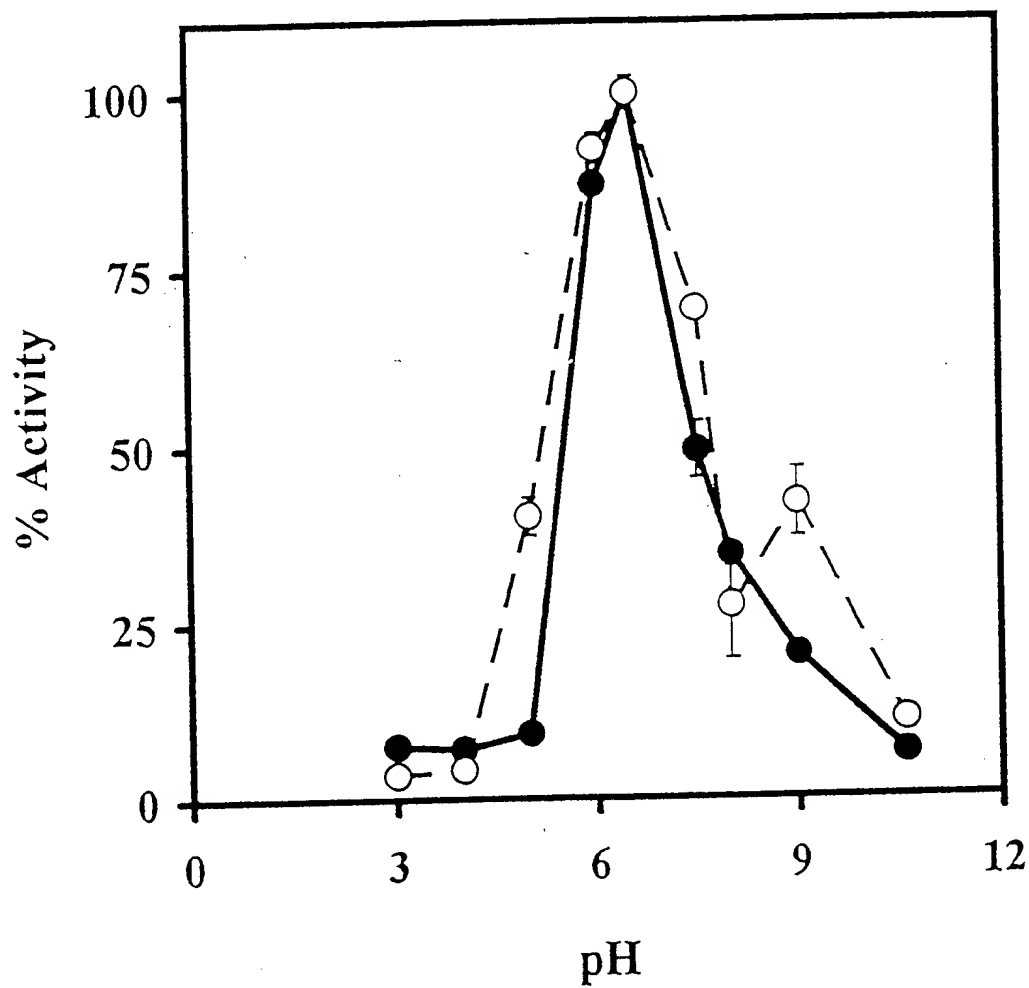


FIG. 3

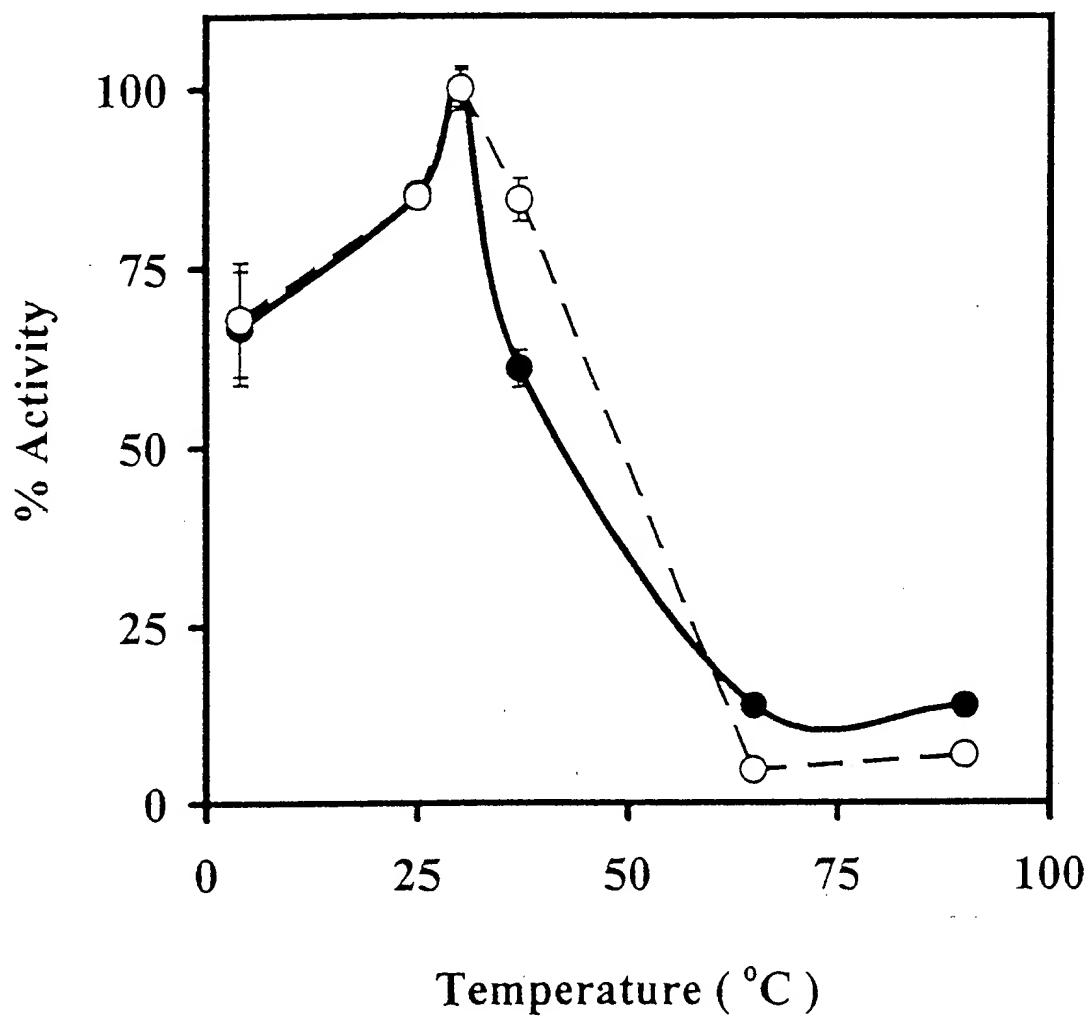


FIG. 4

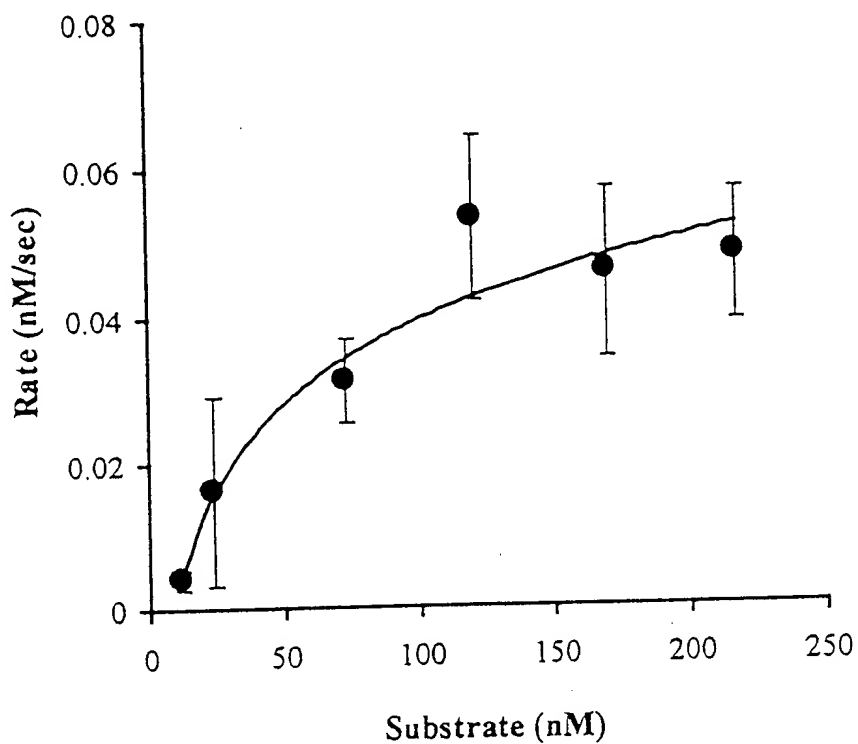


FIG. 5A

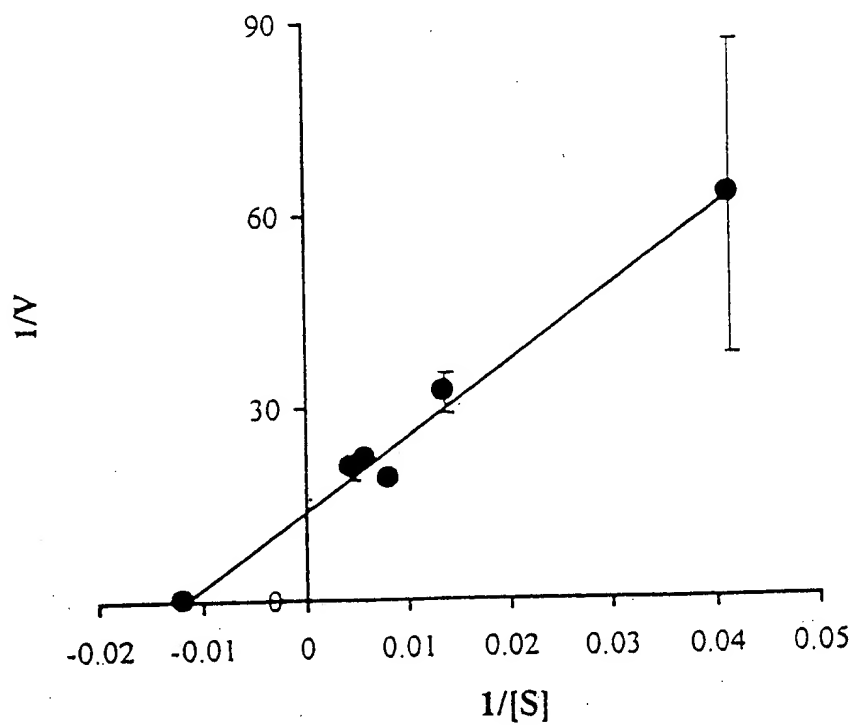


FIG. 5B

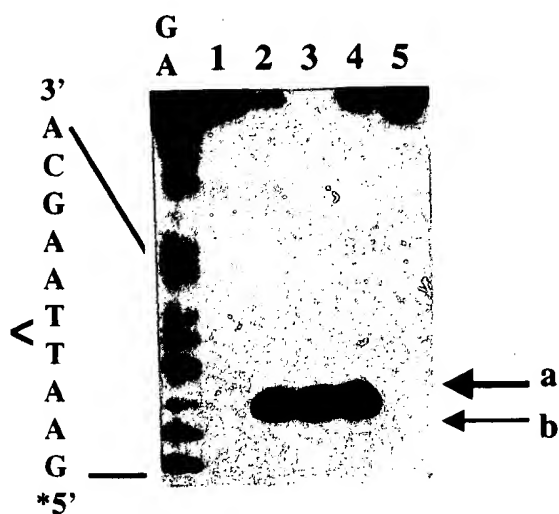
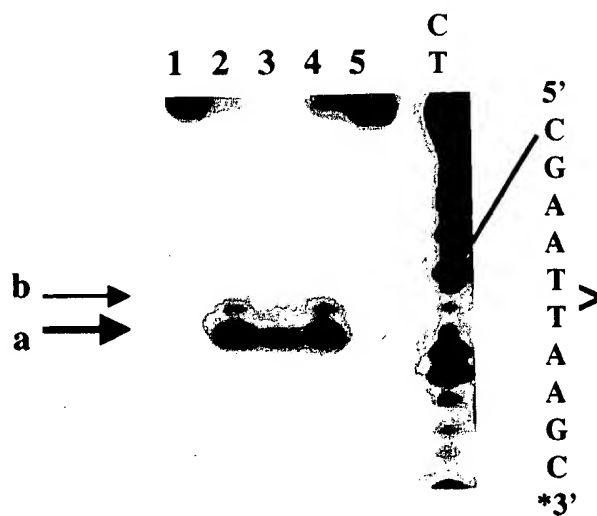


FIG. 6A



b a
↓ ↓
5' ...CTGCACGAAT^TAAGCAATTC... 3'

FIG. 6B

FIG. 7A

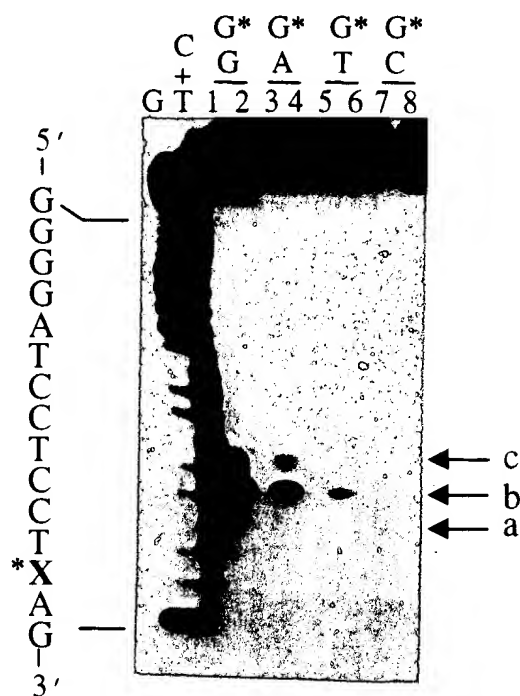


FIG. 7B

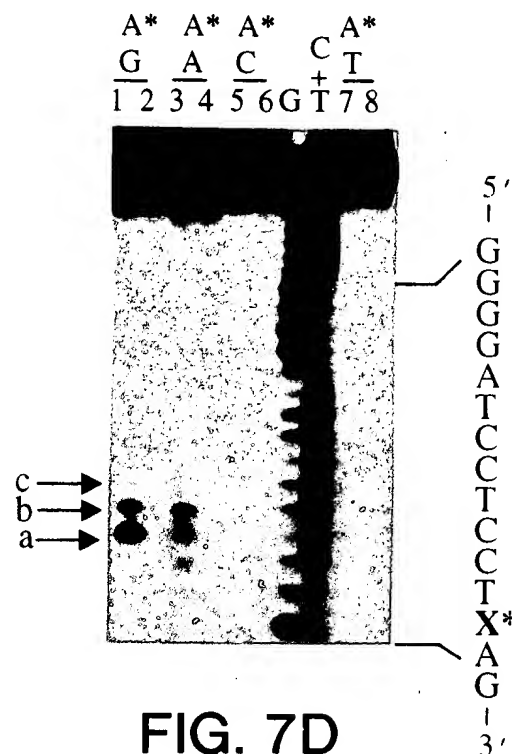


FIG. 7C

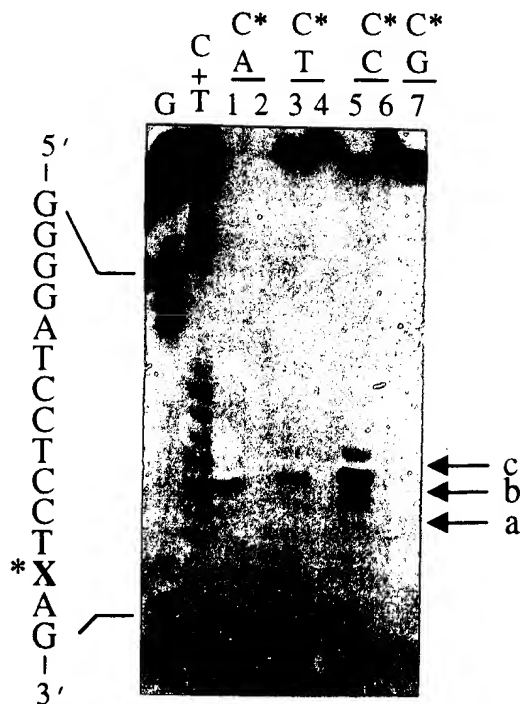
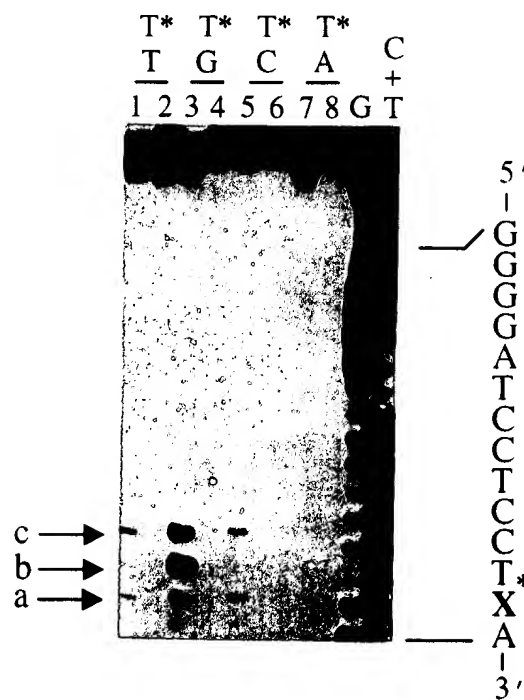


FIG. 7D



5' GTACCCGGGGATCCTCCTXAGTCGACCTGCA* 3'
3' CATGGGCCCTAGGAGGAYTCAGCTGGACGT 5'

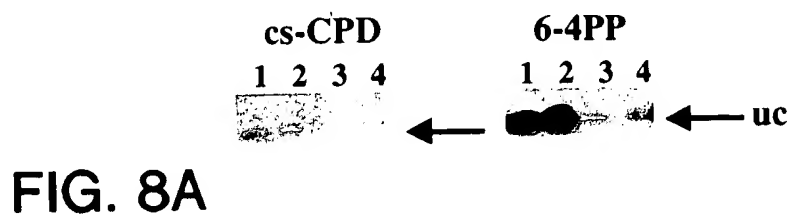


FIG. 8B



FIG. 8D

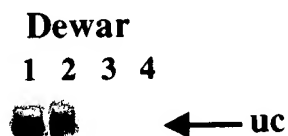
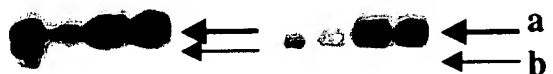


FIG. 8E



b a
 ↓ ↓
 *5'...GCCTGCACGAAT^TAAGCAATTCG...3'

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

US 6,124,200
 Inventors: Doetsch et al.
 Filing Date: November 28, 2000

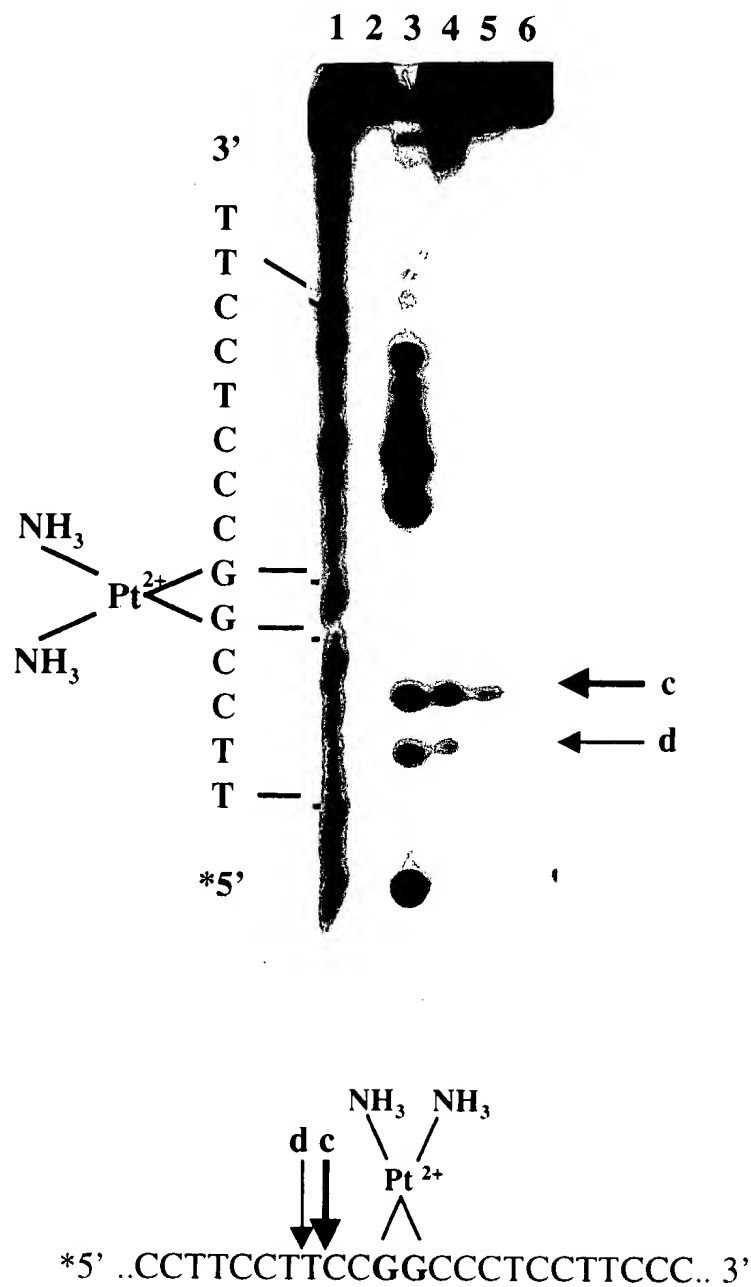


FIG. 9

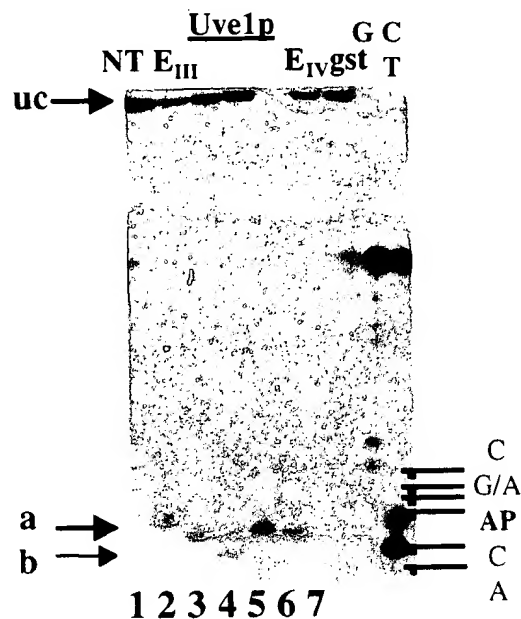


FIG. 10A

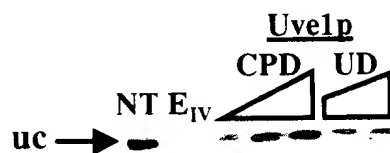
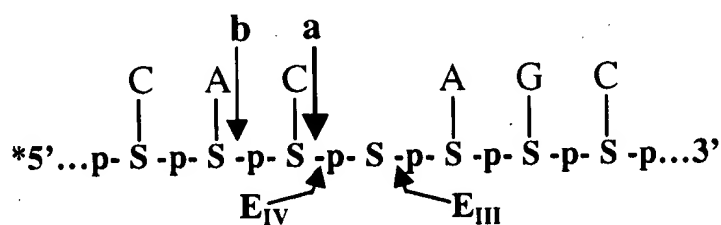
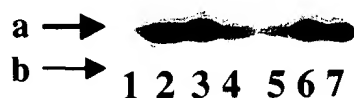


FIG. 10B



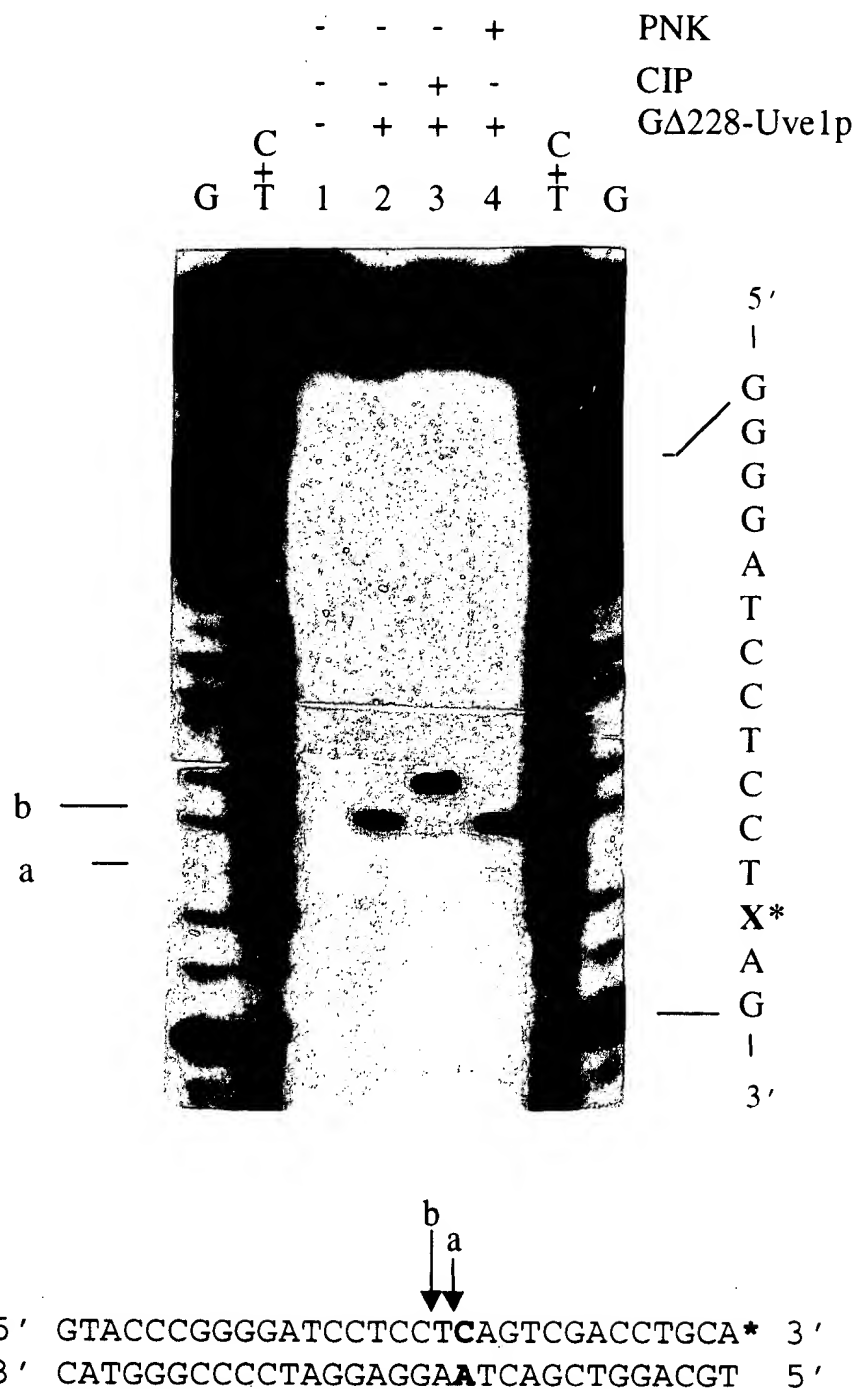
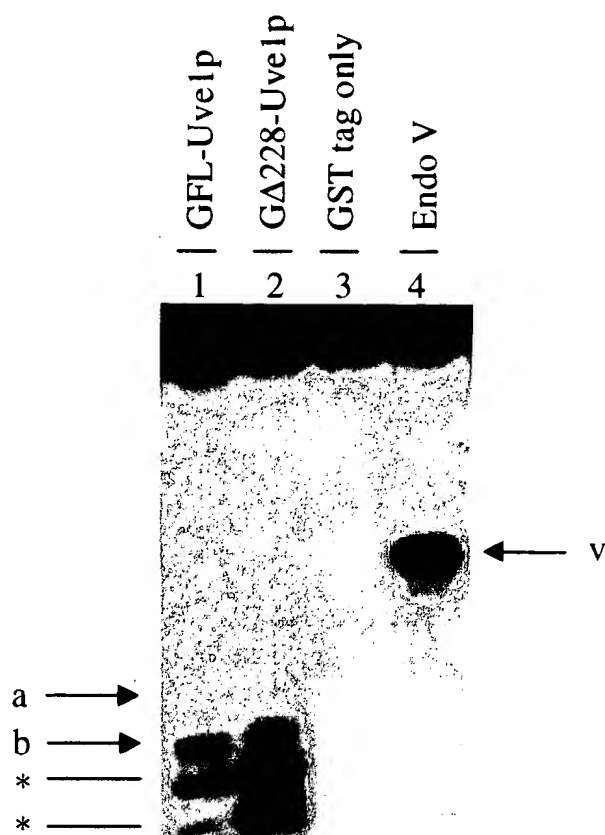


FIG. 11A

APPROVED	CLASS	SUBCLASS
BY		
DRAFTSMAN		

US 09/124,290
 Inventors: Doetsch et al.
 Filing Date: November 28, 2000



* * b a v

| | | | |

5' *GTACCCGGGGATCCTCCTCAGTCGACCTGCA 3'

3' CATGGGCCCCTAGGAGGAATCAGCTGGACGT 5'

FIG. 11B

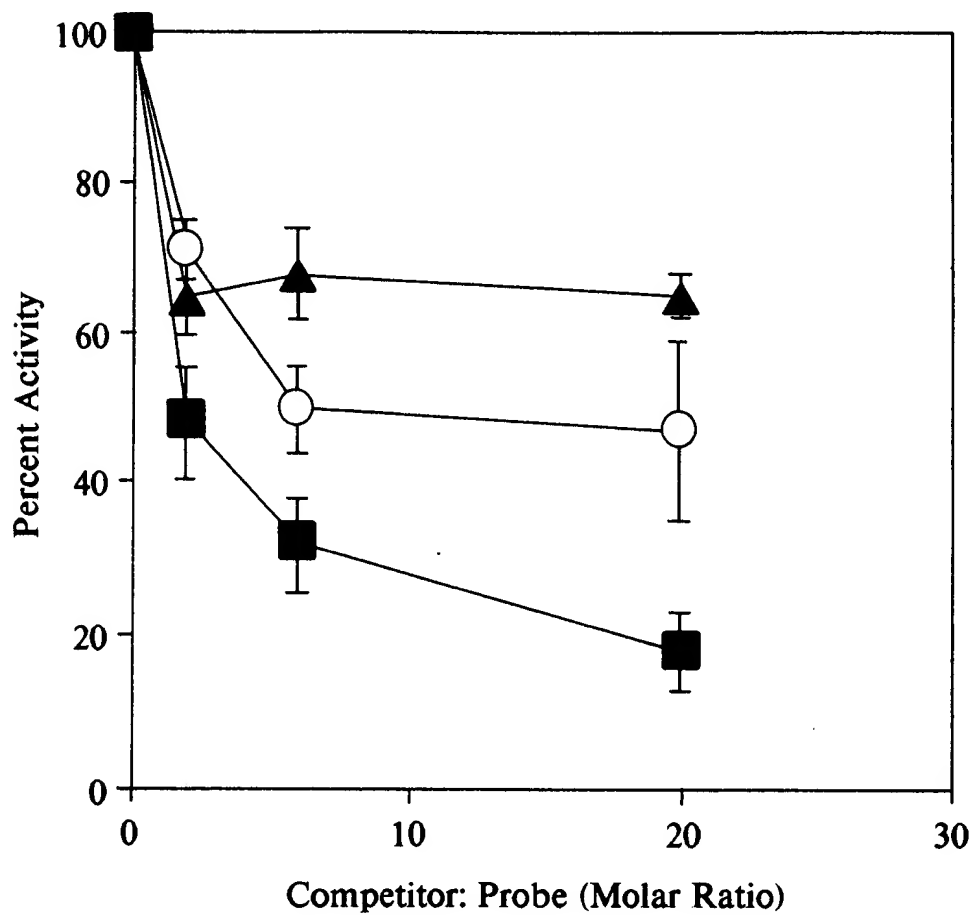


FIG. 12

FIG. 13A

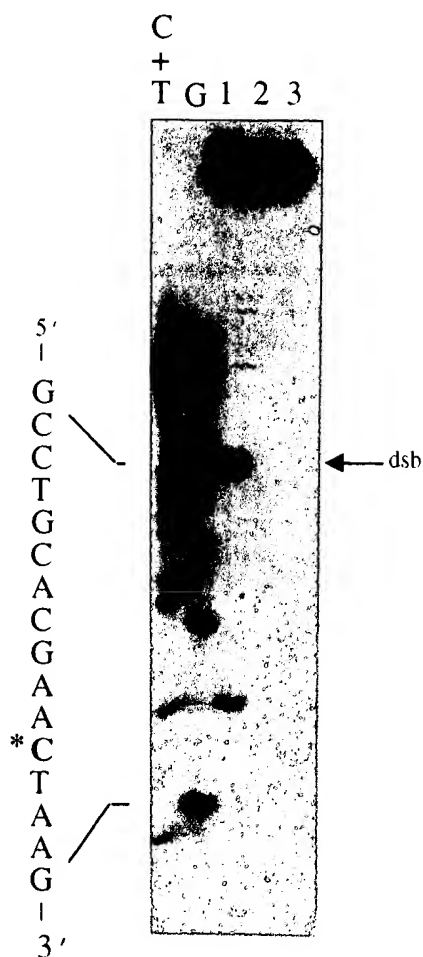


FIG. 13B

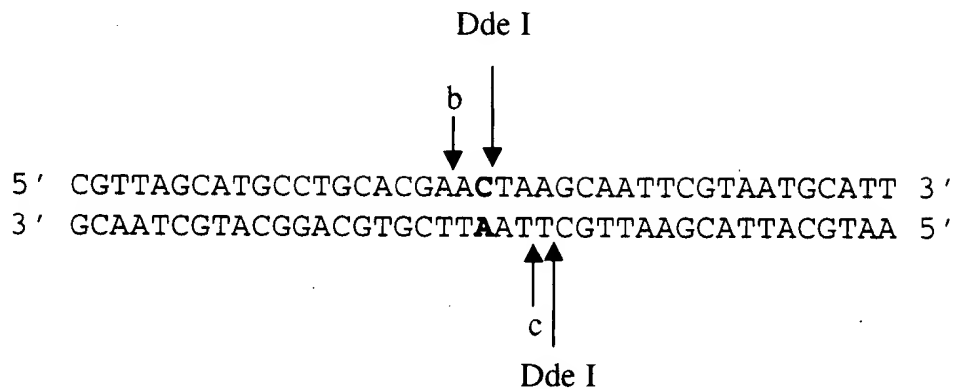
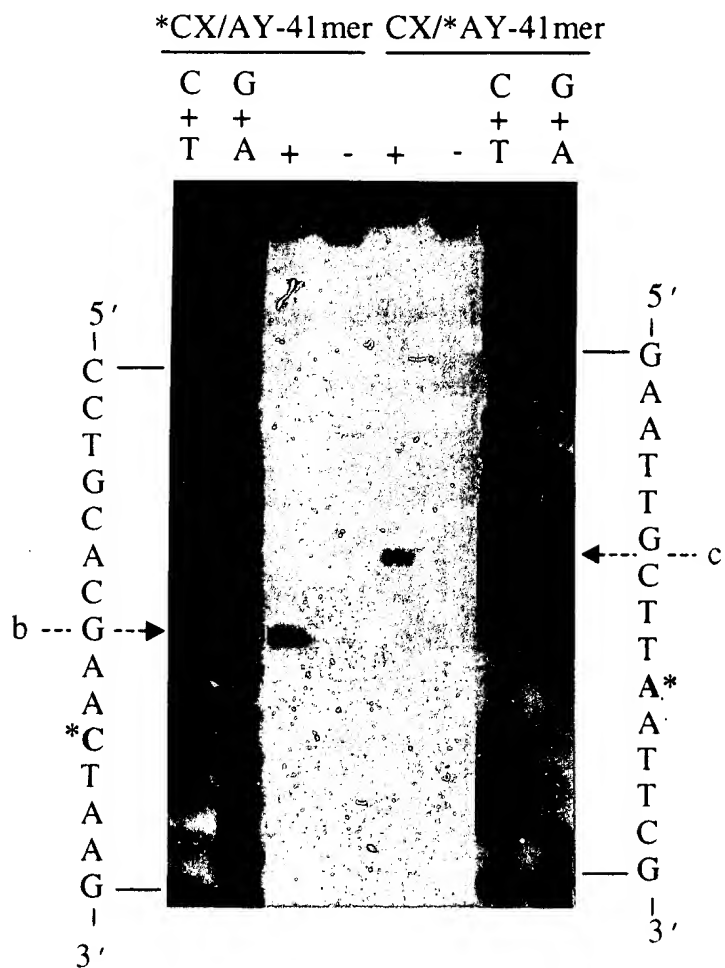


FIG. 14A

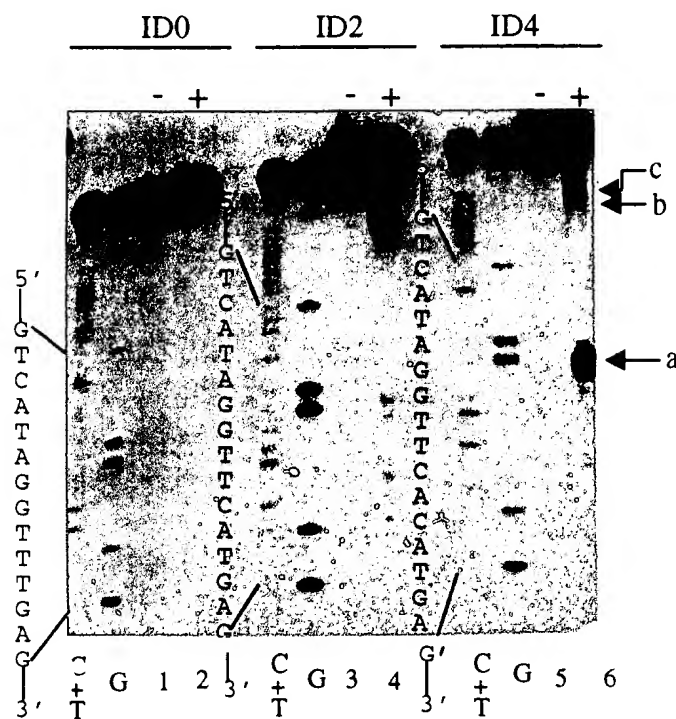
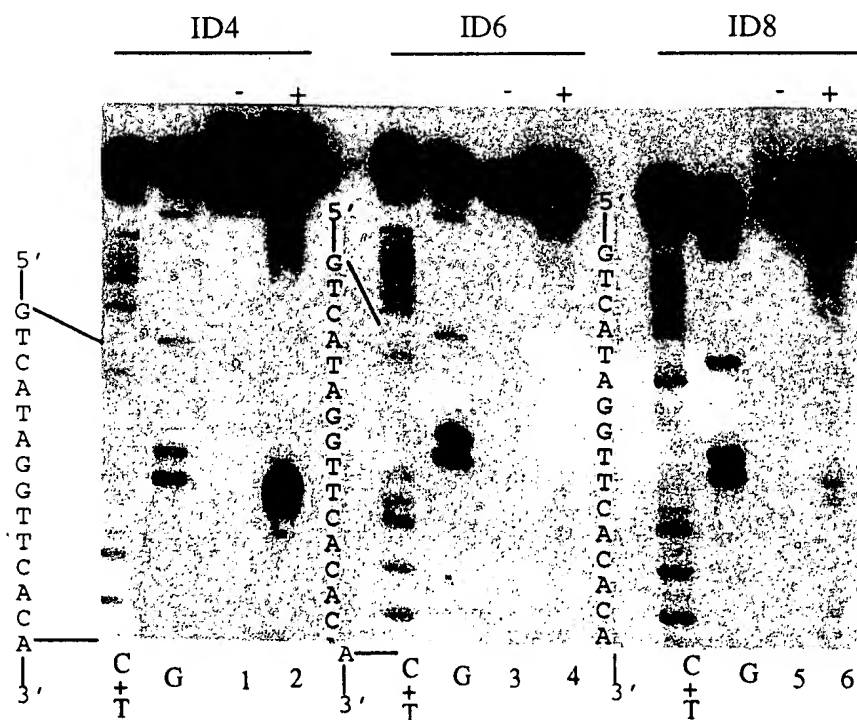
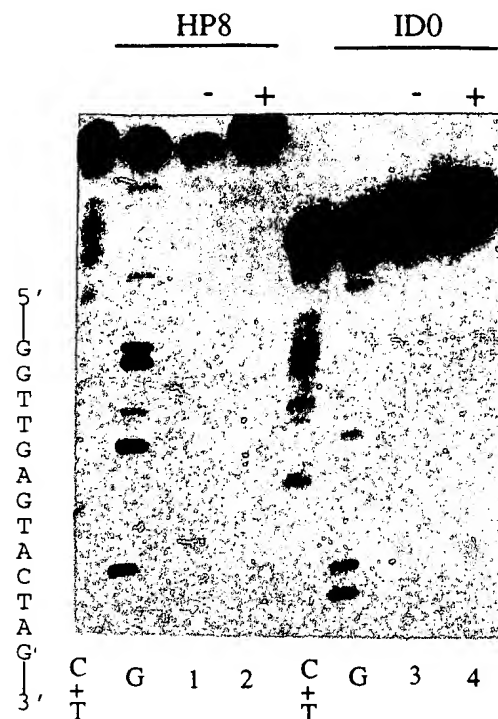


FIG. 14B



5' CACAGACTCCCTCTGTCATAGGTTX^aTGAGTTTATATGGAA* 3'
3' GTGTCTGAGGGAGACAGTATCCAA-ACTCAAATATACCTT 5'

FIG. 14C

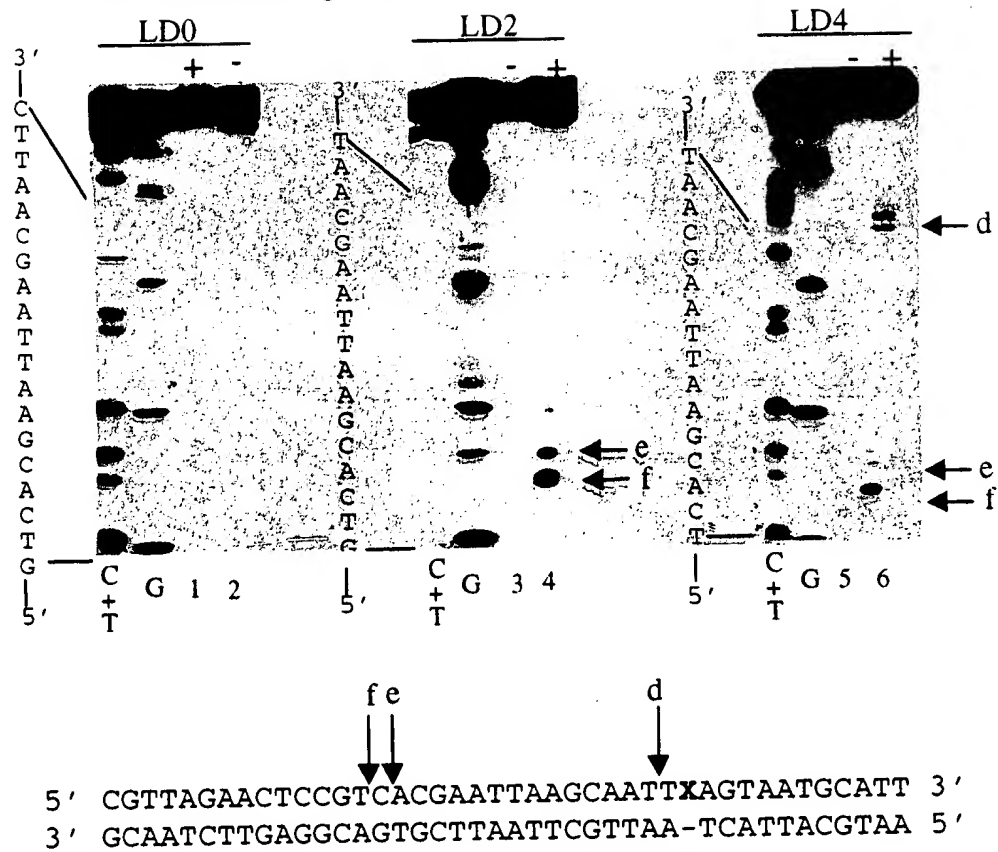
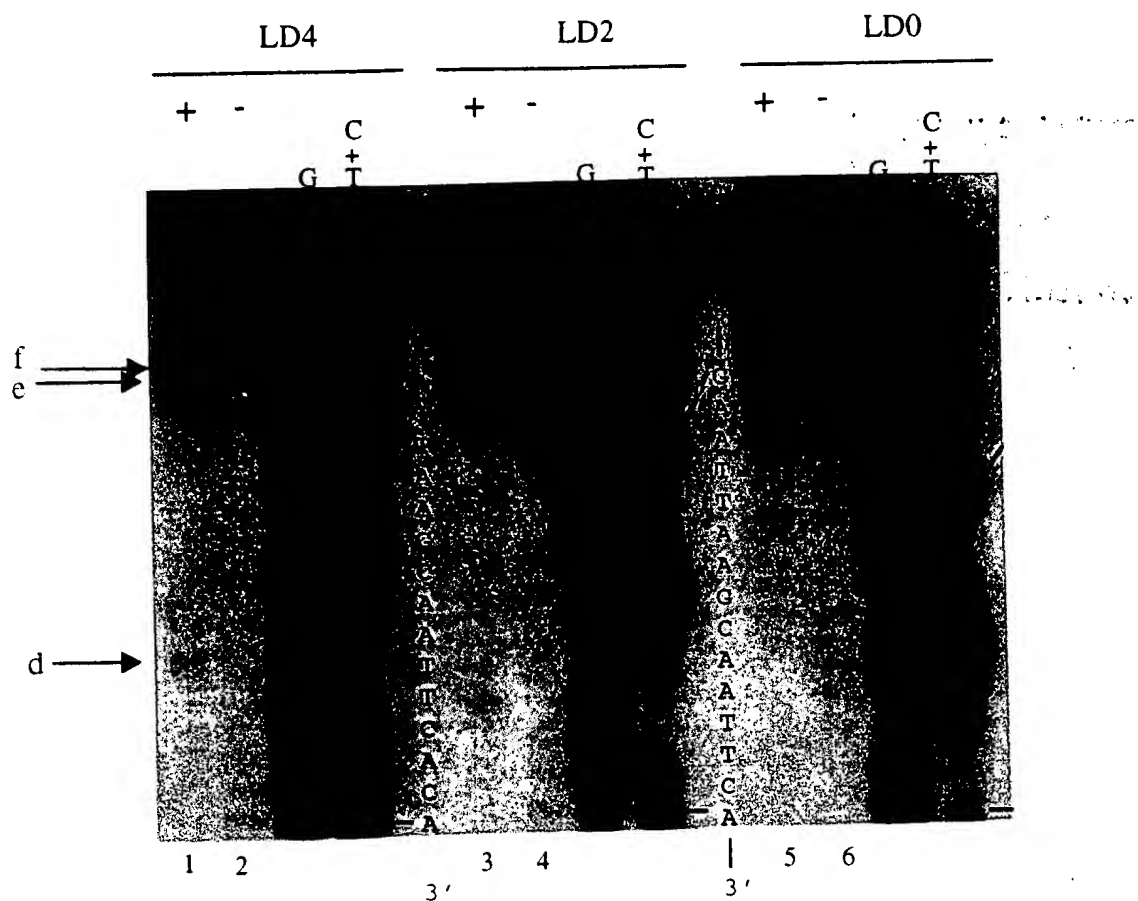
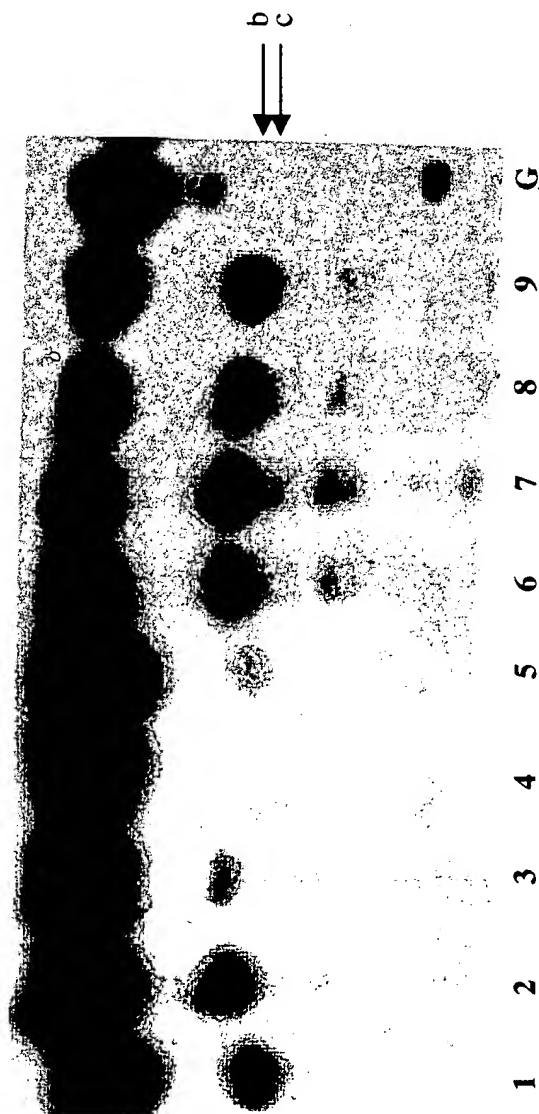


FIG 15R

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

U.S. Pat. No. 6,317,247, 2000
 Inventors: Doetsch et al.
 Filing Date: November 28, 2000

	Post Immune sera (µg)				Pre Immune sera (µg)				GA228-Uvelp			
-	40	80	120	160	-	-	-	-	-	-	-	-
-	-	-	-	-	40	80	120	160	+	+	+	+
+	+	+	+	+	+	+	+	+	+	+	+	+



5' CACAGACTCCCTCTGTCATAGGTT^{CA} TGAGTTTATATGGAA* 3'
 3' GTGCTGAGGGGAGACAGTATCCAA-ACTCAAATATACCTT 5'

FIG. 16